

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB2005/000045

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B23K15/00 B23K1/005 C04B37/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B23K C04B B23B B01J C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, COMPENDEX, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 012, no. 061 (M-671), 24 February 1988 (1988-02-24) & JP 62 207590 A (ASAHI DAIYAMONDO KOGYO KK; others: 01), 11 September 1987 (1987-09-11)	1-3, 12, 13, 17, 18
Y	abstract	10, 11, 14, 15
X	PATENT ABSTRACTS OF JAPAN vol. 011, no. 302 (M-629), 2 October 1987 (1987-10-02) & JP 62 094211 A (SUMITOMO ELECTRIC IND LTD), 30 April 1987 (1987-04-30) abstract	1, 2, 5, 8, 12, 13, 17
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search

13 April 2005

Date of mailing of the international search report

22/04/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 009, no. 146 (M-389), 21 June 1985 (1985-06-21) & JP 60 025616 A (SUMITOMO DENKI KOGYO KK), 8 February 1985 (1985-02-08) abstract	1-3,12, 13,17
X	PATENT ABSTRACTS OF JAPAN vol. 016, no. 509 (C-0997), 21 October 1992 (1992-10-21) & JP 04 187575 A (HITACHI KOKI CO LTD), 6 July 1992 (1992-07-06) abstract	1-3,12, 13,17
Y	US 3 437 785 A (DAVID SCIAKY) 8 April 1969 (1969-04-08) figure w	10,11, 14,15

# INTERNATIONAL SEARCH REPORT

information on patent family members

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JP 62207590	A	11-09-1987	NONE	
JP 62094211	A	30-04-1987	JP 1435005 C JP 62042728 B	07-04-1988 09-09-1987
JP 60025616	A	08-02-1985	NONE	
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US 3437785	A	08-04-1969	DE 1615395 A1 FR 1511795 A GB 1114727 A	23-12-1970 02-02-1968 22-05-1968